Amendments to the Claims:

This listing of claims will replace all prior versions and listings of claims in the application.

Listing of Claims:

1. (***currently amended***) A method for preparing peptides having selectively protected amines of untargeted sites comprising synthesizing the peptides by separately blocking ~~branched~~ amines of targeted sites of the peptides with either ivDde or Mtt, and ~~branched~~ amines of untargeted sites of the peptides with ~~either ivDde or Mtt, and~~ Boc, and protecting N^{α}-amine of the peptides with Fmoc or Nsc, wherein the targeted sites are sites to be conjugated with polyethylene glycol (PEG) and the untargeted sites are to remain as free amine after conjugating targeted sites with PEG.

2. (***currently amended***) The method of Claim 1, further comprising substituting the amine protecting groups for amines of the untargeted sites ~~including~~ and for the N^{α}-amine with at least one final amine protecting group selected from the group consisting of Fmoc, Nsc, Dde and ivDde.

3. (***currently amended***) The method of Claim 1, further comprising substituting the amine protecting groups for amines of the untargeted sites ~~including~~ and for the N^{α}-amine with Boc.

4. (***currently amended***) The method of Claim 1, wherein ~~the peptide~~ synthesis of the peptides is performed by solid phase synthesis.

5. (***currently amended***) The method of Claim 1, wherein the peptide is divided into at least two fragments, the fragments are synthesized separately, and then the fragments are condensed to form the peptide.

6. (***withdrawn***) Peptides having selectively protected amines of untargeted sites prepared by

the method of Claim 1.

7. (***withdrawn***) The peptides of Claim 6, wherein said peptide is calcitonin or GRF(1-29).

8. (***withdrawn***) A method for preparing specifically conjugated PEG-peptide in which PEG is specifically conjugated to amines of targeted sites, comprising:

(1) reacting the peptide of Claim 6 with activated PEG; and

(2) removing the amine protecting group of the compound obtained in the step (1) under acid-base deblocking conditions.

9. (***withdrawn***) The method of Claim 8, further comprising a step of purifying the product of step (2).

10. (***withdrawn***) The method of Claim 9, wherein said purification step comprises separating the product by ionic exchange chromatography, removing salt and then drying.

11. (***withdrawn***) The method of Claim 8 , wherein said activated PEG is linear or branched hydroxyl- or methoxy-type alkylating or acylating PEG of molecular weight in a range of 1,000 to 40,000.

12. (***withdrawn***) The method of Claim 11, wherein said activated PEG is at least one selected from the group consisting of mono-methoxy poly(ethyleneglycol)succinimidyl succinate, mono-methoxy poly(ethylenelycol)succinimidyl propionate, mono-methoxy poly(ethyleneglycol)succinimidyl carbonate, mono-methoxy poly(ethyleneglycol)succinimidyl carbamate and mono-methoxy poly(ethyleneglycol)succinimidyl tresylate.

13. (***new***) A method for preparing peptides having selectively protected sites comprising synthesizing the peptides by separately blocking amines of polyethylene glycol (PEG)-targeted sites of the peptides with Boc, and amines of untargeted sites of the peptides with either ivDde or Mtt, and protecting N^{α}-amine of the peptides with Fmoc or Nsc, wherein the PEG-targeted sites are sites to be conjugated with polyethylene glycol (PEG) and the untargeted sites are to remain

as free amine after conjugating targeted sites with PEG.

14. (***new***) A method for preparing peptides for conjugation of PEG at selected sites , the method comprising synthesizing the peptides by separately blocking amines of polyethylene glycol (PEG)-targeted sites of the peptides with either ivDde or Mtt, and amines of untargeted sites of the peptides with Boc, and protecting N^{α}-amine of the peptides with Fmoc or Nsc, wherein, following synthesis of the peptides, the targeted sites are conjugated with polyethylene glycol (PEG) and the untargeted sites remain as free amine after conjugating targeted sites with PEG.